

1999-01 Performance Progress Report

For Quarter Ending June 2001

Agency 461

Department of Ecology

Mission

The mission of the Department of Ecology is to protect, preserve and enhance Washington's environment, and promote the wise management of our air, land and water for the benefit of current and future generations

Goal PREVENT POLLUTION.

Performance Measure

Millions of pounds of toxic releases from major industries to the environment (air, water and land). The Department of Ecology annually publishes the Toxic Release Inventory (TRI), summarizing reports required by the federal Emergency Planning and Community Right to Know Act. These reports include data on contaminants released to the environment by major industries in Washington.*

* This measure uses Toxic Release Inventory (TRI) data reported under the federal Emergency Planning and Community Right-to-Know (EPCRA) law.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate		30.1				29.5		
Actual		30.6				25.7		
Date Measured		12/31/1998				12/31/1999		

Quarter 2 Comment

1998 TRI data reported 30.6 million pounds of releases. The 1998 data shows a significant increase from 1997 because seven new industrial sectors were first required to report for 1998.

Performance Measure

Percentage reduction of hazardous waste generation by regulated facilities, compared to a 1992 base year.*

* This measure reflects the statutory goal of the Waste Reduction Act, 70.95C RCW, to reduce the generation of hazardous waste by 50%.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate		46%				48%		
Actual		48%				46%		
Date Measured		12/31/1998				12/31/1999		

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Performance Measure The percentage of large commercial ships (cargo, tanker and fishing vessels) transiting Washington waters that had an accident, major equipment failure, or oil spill.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	1.69%	1.53%	1.36%	1.20%	1.20%	1.20%	1.20%	1.20%
Actual	2.07%	1.66%	2.24%	1.69%	1.55%	1.58%	2.18%	2.13%
Date Measured	1/24/2000	12/31/1999	3/31/2000	6/30/2000	9/30/2000	3/31/2001	3/31/2001	

Quarter 1 Comment There were 30 incidents for 1,451 transits in FY 2000 Quarter 1. This data was corrected after receipt of a late incident report.

Quarter 2 Comment There were 24 incidents for 1,444 transits in FY 2000 Quarter 2.

Quarter 3 Comment There were 30 incidents for 1,339 transits in FY 2000 Quarter 3. This measure is reliant on industry self-reporting. We do not think the current quarter's increase indicates a worsening trend in vessel incidents.

Quarter 5 Comment There were 15 incidents for 969 transits in FY2000 Quarter 5.

Quarter 6 Comment There were 25 incidents for 1,390 transits (data updated 3/31/01).

Quarter 7 Comment There were 28 incidents for 1,287 transits.

Performance Measure The number of oil spills where 25 gallons or more reached state surface water.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	6	5	5	4	4	4	4	4
Actual	8	10	8	10	6	11	7	11
Date Measured	9/30/1999	12/31/1999	3/31/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	

Quarter 2 Comment Increased emphasis on spills has resulted in more thorough and accurate reporting.

Quarter 6 Comment Increased emphasis on spills is resulting in more thorough and accurate reporting.

Quarter 7 Comment Increased emphasis on spills is resulting in more thorough and accurate reporting, resulting in actuals well above estimates.

Goal CLEAN UP POLLUTION

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Performance Measure Number of water quality cleanup plans (TMDLs) submitted to the US Environmental Protection Agency for approval. Some 600 water bodies across the state are polluted to the extent that they do not support beneficial uses. Ecology will develop cleanup plans (known in law as TMDLs) for each identified pollutant. The deadline for completing 1,500 TMDLs in 15 years is June 30, 2013.*

* Prior to FY 2000, we measured the number of TMDLs completed as those approved by the US EPA.

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	7	8	7	8	7	8	7	7
Actual	9	0	5	42	3	0	6	
Date Measured	9/30/1999	12/31/1999	3/31/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	

Quarter 1 Comment Data reported for the first quarter of FY 2000 show the 9 TMDLs submitted to EPA during that quarter. When added to the 216 water quality cleanup plans completed by the end of the fourth quarter of FY 1999, a total of 225 TMDLs has been submitted to date.

Quarter 2 Comment The TMDL schedule for this biennium has been revised to submit more in the second year but less this year. This is due primarily to budget uncertainties and resultant hiring delays. There are currently about 70 TMDLs under development, some of which we expect to be completed near the end of FY 2000.

Quarter 3 Comment Budget uncertainties and hiring delays continue to hamper progress.

Quarter 4 Comment Ecology submitted 42 TMDLs to EPA during the fourth quarter, far exceeding the target of 30 for the year. Most were for cleaning up polluted water, but 12 TMDLs were for pollution prevention.

Quarter 5 Comment The biennial target of 59 TMDL submittals has been met this quarter, with a cumulative total of 60 through the 5th quarter.

Quarter 6 Comment Data reported for the first two quarters of FY 2001 show that 4 TMDLs were submitted to EPA so far this fiscal year. Added to the 272 water quality cleanup plans (TMDLs) completed by the end of the fourth quarter of FY 2000, this provides a total of 276 TMDLs submitted to date.

Quarter 7 Comment Ecology submitted 6 TMDLs to the US EPA in the 7th quarter. Quarter 5 has been corrected to 3 (not 4) TMDLs. The biennium-to-date total is now 64 TMDLs submitted.

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Performance Measure Percentage of known toxics contaminated sites with cleanup actions completed.*

* These sites are contaminated with hazardous substances or petroleum products.

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	43%	43%	44%	44%	45%	45%	45%	45%
Actual	44%	44%	46%	48%	49%	50%	51%	51%
Date Measured	10/15/1999	1/24/2000	4/17/2000	6/30/2000	9/30/2000	12/31/2000	3/20/2001	7/31/2001

Quarter 1 Comment Total Sites = 8,162; Cleaned up = 3,583

Quarter 2 Comment Total Sites = 8,236; Cleaned up = 3,645

Quarter 3 Comment Total Sites = 8,206; Cleaned up = 3,757 The total number of sites has been reduced as a result of a data cleaning process and the number of sites moving into voluntary cleanup status. After the current data migration project is completed, a more accurate total number will be available.

Quarter 4 Comment Total Sites = 8,097; Cleaned up = 3,869 Please see the Quarter 3 comment for an explanation of the decreasing number of sites.

Quarter 5 Comment Total sites = 8,116; Cleaned up = 3,996.

Quarter 6 Comment Total sites: 8,827. Total cleaned up: 4,404 (50%). The large increase in total sites is due to the Voluntary Cleanup Program data migration into the Integrated Site Information System. Numbers will continue to fluctuate slightly until migration is fully completed.

Quarter 7 Comment Total sites = 8,916. Total cleaned up: 4,519 (51%)

Quarter 8 Comment Quarter 8 comments: Total sites=8,899; Cleaned Up= 4,547 (51%). The drop in total sites is due to the continued data cleanup efforts we are making following the migration of the Voluntary Cleanup Program data into the Integrated Site Information System. Numbers will continue to fluctuate for a few more quarters.

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Performance Measure Number of acres of contaminated sediments in Puget Sound that have cleanup actions completed.

* There are 5748 acres currently known to be contaminated. The Sediment Unit was transferred to the Toxics Cleanup Program at the beginning this biennium. The most appropriate reporting methodology is still being determined.

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	11	15	15	15	15	15	15	15
Actual	11	0	0	0	0		138	6
Date Measured	9/30/1999	1/24/2000	3/31/2000	6/30/2000	9/30/2000		3/30/2001	7/31/2001

Quarter 1 Comment The estimates and actual data reported are non-cumulative. They reflect each quarter's activity.

Quarter 2 Comment Data is not being collected for this measure. Another measure for the cleanup of contaminated sediments will be developed.

Quarter 3 Comment - Several reasons have contributed delays in sediment cleanups: controversy over responsibility for cleanup of state aquatic lands, ESA issues and inability of NMFS to respond in a timely manner, and technical cleanup issues. Draft cleanup plans for several sites are under review currently. Cleanup actions are expected to begin on these sites this year.

Quarter 7 Comment This is the number of acres for January - March 2001 (non-cumulative).

Quarter 8 Comment Quarter 8 Comments: This is the number of acres for April-June 2001 (non-cumulative).

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Performance Measure The percentage of the contaminated liquid contents of single shell tanks that have been transferred to safer double shell tanks to protect groundwater and the Columbia River at the Hanford site by the U.S. Department of Energy (USDOE).

The percentage refers to the amount of liquids transferred as part of an interim stabilization effort. Final retrieval of the remaining "non-liquid" tank wastes is scheduled to begin in 2004.*

* Early in FY 2000, USDOE reduced its estimate of the total volume of liquid gallons in single shell tanks from 11.6 to 8.5 million gallons. This will result in a significant increase in the reported percentage of liquids pumped to date during 1999-2001.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	58%	60%	62%	65%	67%	70%	72%	75%
Actual	58%	60%	61.1%	64.4	69.7%	72%	72%	72.2%
Date Measured	9/30/1999	12/31/1999	3/31/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	7/31/2001

Quarter 1 Comment Information necessary for estimating progress in future quarters will not be available until the Q2 reporting period.

Quarter 2 Comment USDOE's progress pumping single shell tanks has been consistently on schedule since the Consent Decree was signed in Fall '99. The Consent Decree settled a threatened lawsuit addressing USDOE's lack of progress pumping single shell tanks.

Quarter 3 Comment Transfer of contaminated liquid contents is expected to be back on schedule by the end of Quarter 4.

Quarter 4 Comment USDOE's progress pumping of single shell tanks is slightly behind schedule this quarter due to pump and transfer line failures, but is expected to be back on track by the end of the next quarter.

Quarter 5 Comment USDOE's progress pumping single shell tanks is back on schedule this quarter. Pumping was initiated on 5 tanks this quarter.

Quarter 6 Comment The US Department of Energy (USDOE) reduced its estimate of the total volume of liquid gallons in single shell tanks from 11,568,000 to 8,459,000 gallons. As a result, the Nuclear Waste Program is reporting a significantly higher percentage of liquids pumped to date compared to FY 99. 234,000 gallons were pumped in Quarter 6, including 28,000 gallons of organic waste. USDOE's progress is directly tied to the compliance drivers in the Consent Decree that was filed to resolve the state's threatened lawsuit over USDOE's lack of progress pumping single shell tanks. The Decree requires USDOE to pump all remaining liquid by 2004.

Quarter 7 Comment A total of 45,000 gallons of waste were pumped, including 5,000 gallons of complexed organic waste. Pumping of single shell tanks was adversely affected by several factors; shutdown of pumps due to pump skid software problems, lock and tag safety issues, the earthquake centered in Puget Sound that affected tank monitoring equipment, tank exhauster shutdown and other maintenance issues. Pumping efficiencies have been far less than expected in one tank (26%) and a pump was shut down in another tank (12/4/00 - 3/31/01). Interstitial liquid drain rates have been slower than originally predicted. Very slow pump rates in one tank have resulted in Consent Decree milestone D-001-10V, "Reduce Total Organic Complexant Pumpable Liquids to 5% of Total Volume" (due 9/30/01) to be in jeopardy. Dept of Energy continues to try to remove waste from the tank with slower pumping rates to meet the consent decree milestone.

Quarter 8 Comment Quarter 8 Comments: A total of 21,000 gallons of liquid waste was pumped, including 12,000 gallons of complexed organic waste. That brought the total gallons pumped to 1,253,000 gallons from the beginning of the stabilization governed by the Consent Decree. Pumping of the single shell tanks was affected by a contractor safety shutdown in May; pumping resumed after a two-week delay. In addition, failure of a transfer line during testing caused a delay in the restart of pumping in two tanks where new, high-volume pumps have been installed. Waste recovery in one organic complexant tank has required additions of more dilution and flush water than originally planned. If waste recovery continues to lag predicted rates, the consent decree milestone to recovery 5% of the organic complexant pumpable liquids will not be met. DOE is evaluating performance and determining the need for a proposed Consent Decree amendment to the schedule.

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Performance Measure Millions of pounds of litter cleaned up from state roads and public areas. The total pounds of litter cleaned up includes the efforts of the Ecology Youth Corps; other state agencies, including Department of Corrections, Department of Natural Resources, Department of Transportation and State Parks; and local government efforts through the Community Litter Cleanup Program. Ecology is developing a litter prevention strategy aimed at a goal of zero litter statewide. As resources from the Ecology Youth Corp are diverted to this effort less litter will be cleaned up. In addition, the results of the prevention campaign should further decrease litter cleanup rates in the future.*

* FY98=CY96, FY99=CY97, other years are FY data. FY98 and 99 data include only ECY efforts.

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate			2.5				2.2	
Actual			4.76				7.08	
Date Measured			12/30/1999				12/30/2000	

Quarter 3 Comment The calendar year total for 1999 includes four quarters (January - December 1999) of Ecology Youth Corps litter pickup and Community Litter Cleanup Program litter pickup and illegal dump abatement efforts and two quarters (July - December 1999) of Department of Corrections and Department of Natural Resources litter pickup and illegal dump abatement efforts. Estimates were made prior to the implementation of the new litter pickup and illegal dump abatement programs and were low.

Quarter 7 Comment Calendar year total for 2000.

Goal SUPPORT SUSTAINABLE COMMUNITIES AND NATURAL RESOURCES.

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Performance Measure Percentage of the state's air quality areas that have been redesignated by the U.S. Environmental Protection Agency as attaining national ambient air quality standards.*

* The base year is 1990, when significant changes to the federal Clean Air Act were adopted and 14 of the state's airsheds violated one or more national ambient air quality standard. The data is most useful when viewed as a long term trend.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	36%	36%	64%	64%	79%	100%	100%	100%
Actual	36%	36%	36%	36%	43%	43%	64%	
Date Measured	9/30/1999	12/31/1999	3/31/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	

Quarter 1 Comment EPA approval of proposed attainment areas has been delayed by changes to federal attainment standards.

Quarter 3 Comment Target was missed because of confusion caused by the federal court decision that put EPA's new/revised PM10 standard in abeyance and then EPA took several months to decide that the old standard was applicable. This caused Ecology and several local air agencies to revise maintenance plans and resubmit them to EPA. Ecology has submitted 4 revised plans and expects EPA approval sometime in calendar year 2000.

Quarter 4 Comment When EPA completes their review and accepts the four air quality plans mentioned in Quarter 3, 64% of the state's air quality areas will have been redesignated as attaining national ambient air quality standards.

Quarter 5 Comment EPA has approved redesignation for Thurston County, one of the four plans mentioned in quarter 3. The other three plans still wait for EPA approval. Plans for five additional areas are in the final stages of modification to meet revised federal requirements. These five plans are expected to be completed and submitted to EPA for approval sometime in FY 2001. Modified federal requirements and limited local fiscal and political resources have contributed to the delay.

Quarter 6 Comment EPA has approved redesignation for Thurston County, one of the 4 plans mentioned in quarter 3. The other three still wait for EPA approval. Plans for five additional areas are in final stages of modification to meet revised federal requirements. These five plans are expected to be completed and submitted to EPA for approval sometime in FY 2001. Delays have been the result of confusion caused by federal legal challenges, modifications to federal requirements that have necessitated plan adjustments, and to some extent, limited local resources.

Quarter 7 Comment Three additional PM10 area were redesignated to attainment by US EPA this quarter. Those areas are the Duwamish and Kent valleys in King County and the Tacoma Tideflats in Pierce County.

Quarter 8 Comment Quarter 8 Comments: Litter data is reported one quarter behind so there is no data to report for this quarter.

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Performance Measure Percentage of ambient air quality measurements that are Good. There are approximately 190 air quality monitoring sites in Washington state. Thirteen different air quality parameters are measured, most continuously or on a daily basis. Air quality readings which are 50% cleaner than federal air quality standards are labeled Good; readings between 50% and 100% of the standards are categorized as Moderate; and readings worse than the standards are Unhealthful.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate				95%				97%
Actual				99%	99%	98%	99%	99%
Date Measured				6/30/2000	9/30/2000	12/31/2000	3/31/2001	3/31/2001

Quarter 4 Comment 99% of all ambient measurements were within the good range; 0.8% were moderate; <0.1% were unhealthful in this quarter.

Quarter 6 Comment Slightly more than 98% of all ambient measurements were within the good range; 1.8% were moderate and none were unhealthful this quarter.

Quarter 7 Comment Slightly more than 99% of all measurements were within the good range; 0.7% were moderate and no violations of federal ambient air quality standards were recorded during the quarter.

Quarter 8 Comment Quarter 8 Comments: Slightly more than 99% of all measurements were within the good range; 0.48% were moderate; 0.03% were unhealthful to those sensitive, and there were no violations of federal ambient air quality standards recorded during the quarter.

Performance Measure Percentage of sample results meeting acceptable performance standards at Ecology's environmental laboratory. The performance evaluation is conducted semiannually by an independent external organization.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate		95%		95%		95%		95%
Actual		96%		99%		98%		
Date Measured		12/31/1999		6/30/2000		12/31/2000		

Quarter 8 Comment Quarter 8 comments: Data is not yet available as we are still awaiting the results from the independent evaluation firm.

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Performance Measure Percent of shoreline conditional use and variance permits where significant permit conditions were successfully met.*

* Each year's data reflects review of permits after the development projects have been completed. This is generally 2 -5 years after the permit is issued.

	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Output Estimate				20%				20%
Actual				58%				
Date Measured				6/30/2000				

Quarter 3 Comment We are changing our performance tracking focus and will provide a new performance measure next quarter.

Quarter 4 Comment An evaluation of Shoreline Management Act compliance was completed in July, 2000 by conducting follow-up compliance checks on a sample of projects receiving Conditional Use Permits or Variances. Permit staff scored the projects using a scale of 1 to 5 to indicate whether or not permit conditions were successfully met. Of the 43 projects evaluated, 10 were unable to be scored because the project was never carried out, site access was an issue, or because local files (with local permit conditions) were missing. Of the remaining projects that were scored, 19 (58%) received overall scores of 4 or 5, which for the purposes of this performance measure are considered to largely meet significant permit conditions. 6 projects (18%) received a score of "3", 5 projects (15%) received a score of "2", and 3 projects received a score of "1".

Quarter 6 Comment This is an annual measure that will be reported in July, 2001.

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Performance Measure

Number of the state's 62 watersheds (WRIAs) with established watershed management groups. In 1998 the legislature passed the Watershed Planning Act (WPA) and provided \$3.7 million to support local watershed planning units. This is a voluntary planning effort; if money is provided then the group is required to address water quantity and can choose to address water quality, habitat and instream flow. One of the requirements is that this planning be a consensus-based planning effort. This measure indicates which funded water resource inventory areas (WRIAs) have identified their planning unit membership, developed operational agreements and are holding regular meetings.*

* Planning units in 37 WRIAs have received WPA funding. This measure tracks the number of active planning units.

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	23	24	26	31	32	33	35	35
Actual	23	26	26	34	34	34	37	
Date Measured	9/30/1999	12/31/1999	3/31/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	

Quarter 1 Comment

This number includes the following WRIAs (1, 2, 3/4, 6, 11, 13, 17, 18, 22/23, 25/26, 27/28, 37/38/39, 46, 48, 55/57, 62).

Quarter 2 Comment

The new ones are WRIA 12 (Chambers-Clover) & 44/50 (Moses Coulee-Foster Creek).

Quarter 4 Comment

These 8 additional ones are: WRIA 16-Skokomish, 19-Lyre -Hoko, 20 Soleduck-Hoh, 29 Wind-White Salmon, 30- Klickitat, 45- Wenatchee, 56 - Hangman, 59- Colville.

Quarter 6 Comment

There are several watersheds that have received grants but have not yet established their watershed planning unit. At this point we believe we are still on track to meeting our goal of 3 additional watershed groups by the end of the year.

Quarter 7 Comment

Three additional watershed groups were created this quarter: Kitsap, Walla Wall and Upper Crab/Wilson.

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Performance Measure Number of watershed assessments scoped and initiated. In 1998 the legislature passed the Watershed Planning Act (WPA) and provided \$3.7 million to support local watershed planning units. This is a voluntary planning effort; planning units that receive funds are required to address water quantity and can choose to address water quality, habitat and instream flow. Once the planning unit is organized they are eligible for phase 2 assessment funding. A water quantity assessment (water budget) is required of each funded planning unit.*

* Planning units in 37 WRIAs have received WPA funding. This measure tracks the active planning units that have moved forward to phase 2 - Assessment.

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	11	13	17	22	26	31	34	34
Actual	12	12	15	20	24	24	27	
Date Measured	9/30/1999	12/31/1999	3/31/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	

Quarter 1 Comment This number includes the following (WRIAS 1, 3/4, 18, 22/23, 37/38/39, 46, 48).

Quarter 3 Comment The new ones are WRIA 13 (Deschutes) and 55/57 (Little & Middle Spokane).

Quarter 4 Comment The watershed planning units that have moved into the Assessment phase this quarter are WRIA 2: San Juan, 11: Nisqually, 12: Chambers-Clover, 30: Klickitat and 59: Colville.

Quarter 5 Comment Watershed planning units that moved into the assessment phase this quarter are: WRIA 25/26 - Grays Elokoman/Cowlitz and WRIA 27/28 - Lewis/Salmon Washougal.

Quarter 6 Comment We expect three new assessments completed next quarter.

Quarter 7 Comment Three new assessments were scoped and initiated this quarter.

Performance Measure Percentage of 401 Water Quality Certifications with wetlands mitigation requirements where significant permit conditions were successfully met.*

* Each year's data reflects the review of permits for development projects that have been completed.

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate				30%				30%
Actual				30%				
Date Measured				6/30/2000				

Quarter 4 Comment A wetland mitigation evaluation study was completed in June, 2000. Forty-five compensatory wetlands mitigation projects were evaluated for permit compliance in three categories: 1) Was the mitigation project implemented? 2) Was it implemented to plan? and 3) Was it meeting its performance standards? Overall, 13 projects (29%) were in full compliance with all three questions. Forty-two projects (93 %) were implemented, and of those, 23 projects (55%) were implemented to plan. Thirty-four projects had performance standards that could be evaluated, and of those, 12 projects (35%) were meeting all performance standards assessable by this study. See Ecology Publication # 00-06-016 for more details.

Quarter 6 Comment This is an annual measure that will be reported in July, 2001.

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Performance Measure Percentage of statewide water quality monitoring stations meeting temperature standards. For this measure to meet the temperature standard at any of the 62 stream monitoring stations, none of the 12 monthly samples can exceed the standard in a water year. Temperature is the water quality standard most often violated in Washington state.*

* Temperature is critical for aquatic species including fish such as threatened salmonid species. The environmental goal is to maintain the correct water temperature in streams to meet standards and support aquatic life.

Outcome	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	30%		30%				30%	
Actual	39%	80%	80%					
Date Measured	9/30/1998	9/30/1999	9/30/1999					

Quarter 1 Comment Actual data fluctuate widely, depending on weather patterns, particularly variations in annual temperature and precipitation. The results of management measures to reduce water temperatures, such as growing trees to shade streams, are extremely long term (in the order of 50 years).

Quarter 2 Comment Temperature data for Water Year 1999 (October through September) was available earlier than anticipated. La Nina provided a heavy snow pack in water year 1999. Because of a cool spring, this melted slowly throughout the summer, providing good flows of cold water.

Quarter 6 Comment Actual data fluctuate widely depending on weather patterns, particularly variations in annual temperature and precipitation. Favorable weather was largely responsible in water year 1999 for the great improvement in water temperatures so essential to healthy salmon stocks. The results of management measures to reduce water temperatures, such as growing trees to shade streams, are extremely long term (in the order of 50 years). This was okay as an interim measure, but is no longer useful. Proposing replacement with the salmon index watershed indicator.

Quarter 7 Comment The salmon index watershed indicator is under development and will be reported on starting next biennium.

1999-01 Performance Progress Report

For Quarter Ending June 2001

Agency 461

Department of Ecology

Performance Measure Percentage of the state's watersheds (WRIAs) for which instream flows rules have been adopted. Instream flows are minimum water flows or levels for streams and lakes to protect fish, wildlife, recreational, aesthetic and other values. They are based on scientific studies and established by rule under state law. The flow rule is important because any water right granted after the rule is adopted must be limited so it does not harm minimum flows. An instream flow rule does not, however, limit water withdrawn under pre-existing water rights.*

* Base is 18 of 62 watersheds. Q4 estimate is 20 watersheds. Q8 estimate is 23 watersheds

Output	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	29%	29%	29%	32%	32%	32%	32%	37%
Actual	29%	29%	29%	29%	29%	29%	32%	32%
Date Measured	6/30/1986	12/31/1999	3/30/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	6/30/2001

Quarter 1 Comment The last instream flow rules were adopted in 1986. We are currently working on an Instream Flow rule for the Lower Skagit River (WRIA 3 Skagit/Samish) and are working with other local watershed groups on instream flow issues.

Quarter 3 Comment We had planned to have two more WRIAs with adopted instream flows - we do not expect to do so by Q4. ESA has raised new issues about what flows are needed. Resolution of those issues is needed to expedite flow setting. In one watershed where flows were to have been set (Dungeness WRIA 18), we have determined, in consultation with the local watershed planning group, that flows would not add to fish protection. Water already has been fully appropriated, so flows set now would be junior to existing rights. Most Watershed planning groups are not yet at the stage in their planning to address flows. The technical/science work needed to set flows is ahead of schedule.

Quarter 5 Comment A workshop on the proposed Skagit Rule (WRIAs 3 & 4) was held in Mount Vernon on 10/12/00. Proposed rule language for setting instream flows in the Skagit basin was filed with the Code Reviser's Office on 10/18/00. Comments are being accepted until 12/8/00. A hearing is scheduled for Mt. Vernon on 11/29/00. The date of intended adoption is 2/7/01.

Quarter 6 Comment A workshop on the proposed Skagit Rule (WRIAs 3 & 4) was held in Mt. Vernon on 10/12/00. Proposed rule language for setting instream flows in the Skagit basin was files with the Code Reviser's Office on 10/18/00. Comments were accepted until 12/8/00. A hearing is scheduled for Mt. Vernon on 11/29/00. The date of intended adoption is 2/7/01.

Quarter 7 Comment The 15 year drought in the instream flow rule adoption ended with the signing of the Skagit IF Rule on 3/12/01 (Ch. 173-503 WAC). Two watersheds are affected by the rule (WRIAs 3&4) bringing the total number of watersheds with IF rules to 20. This is the first instream flow set by rule since the Nooksack flow rule was adopted in December of 1985.

1999-01 Performance Progress Report

For Quarter Ending June 2001

Agency 461

Department of Ecology

Performance Measure Number of water rights change decisions completed.

	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Output Estimate				150				150
Actual				145				124
Date Measured				6/30/2000				6/30/2001

Quarter 4 Comment 89 change decisions were completed as part of Lower Methow Valley Irrigation District conversion of surface water rights to wells, which will result in streamflow and fish benefits.
The target was nearly achieved despite lack of water rights change application rule and failure of legislation facilitating water rights changes (two-line bill).

Quarter 6 Comment This is an annual measure. No data to report this quarter.

Performance Measure Percentage of the state's dams above population centers posing a low safety risk.*

* This is measured by percentage of state-regulated dams located upstream from houses, that have been inspected and found to meet current operational and safety requirements.

	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Output Estimate	90%	90%	90%	90%	90%	90%	90%	90%
Actual	90%	89%	89%	90%	90%	90.8%	90.8%	90.2%
Date Measured	9/30/1999	12/31/1999	3/31/2000	6/30/2000	9/30/2000	12/31/2000	3/31/2001	6/30/2001

Performance Measure Percentage of the solid waste stream being recycled.
The statewide recycling rate measures the success of existing recycling programs. Market variations are important factors in recycling rates, resulting in an expected fluctuation in the recycling rate between 33-37% over the next few years.*

* The fiscal year data reflect activity of the calendar year two years previous (i.e. Q2 = CY 1998; Q6 = CY 1999).

	Fiscal Year 2000				Fiscal Year 2001			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Outcome Estimate	34.1%				35%			
Actual	34.1%				32.5%			
Date Measured	12/31/1998				9/30/2000			

Quarter 1 Comment In 1998 a 38% recycling rate was anticipated and reported in Ecology's budget submittal. More recent information has led to reduced estimates.

Quarter 5 Comment Actual 1999 tonnage recycled was higher than in 1998, but several factors led to a lower recycling rate: increased waste generation and disposal, a continued flat market for recyclable materials, and a decreased number of curbside programs.